

BRITISH MUSEUM (NATURAL HISTORY).

BRITISH ANTARCTIC ("TERRA NOVA") EXPEDITION, 1910.
NATURAL HISTORY REPORT.

ZOOLOGY. VOL. II.—No. 1, pp. 1-12.

LIST OF COLLECTING STATIONS.

BY

S. F. HARMER, Sc.D., F.R.S.

(Keeper of Zoology, British Museum)

AND

D. G. LILLIE, M.A.

(St. John's College, Cambridge; Member of the Expedition).

WITH FOUR MAPS.



LONDON:

PRINTED BY ORDER OF THE TRUSTEES OF THE BRITISH MUSEUM.

Sold by LONGMANS, GREEN & Co., 39, Paternoster Row, London, E.C.; B. QUARITCH, 11, Grafton Street, New Bond Street, London, W.; DULAU & Co., LTD., 37, Soho Square, London, W.; and the MIDLAND EDUCATIONAL Co., LTD., 41 and 43, Corporation Street, Birmingham;

OR AT THE

BRITISH MUSEUM (NATURAL HISTORY), Cromwell Road, London, S.W.

1914.

[All rights reserved.]

Price One Shilling and Sixpence.

Issued 25th July, 1914.]



PRESENTED

BY

The Trustees

OF

THE BRITISH MUSEUM.

137
914
1066

LIST OF COLLECTING STATIONS

BY

S. F. HARMER, Sc.D., F.R.S.

(Keeper of Zoology, British Museum)

AND

D. G. LILLIE, M.A.

(St. John's College, Cambridge; Member of the Expedition).

Division of Mollusks
Sectional Library

INTRODUCTION.

THE greater number of the localities referred to in the following list are places where specimens were collected by the party on board the "Terra Nova"; a large proportion of them being Plankton-stations. To these localities have been added a certain number of places where specimens were obtained by members of the Shore Party, particularly by Surgeon E. L. Atkinson, R.N., and Mr. E. W. Nelson. The list has been verified by Commander H. L. L. Pennell, R.N., who was in charge of the log of the "Terra Nova."

In sorting the collection a system of numbering was adopted which has not proved suitable for more permanent use. These "provisional station-numbers" are indicated in the third column of the list, but the numbers in the second column, corresponding with the maps, are those which should alone be used in recording results and in labelling the specimens.

The Plankton-nets are described according to the number of meshes to one linear inch. The "Full speed" net had 180 meshes to the inch. "Bucket" indicates that the specimens were caught by means of a bucket lowered over the ship's side.

The meaning of a nautical method of indicating the position which has been used in certain cases may not be clear without a word of explanation. Station 80, for instance, is given as "From Summit, Gt. King, N. 87° W., 11 miles." This indicates a point 11 miles from Summit, Gt. King, in a direction 87° from the *North*, on its Western side; and is in fact almost due West. Similarly, Station 82, which is recorded as "S. 40° E., 29 miles," indicates a point 29 miles from the same place along a line 40° from the *South*, on its Eastern side, and is thus not very far from South-East. The bearings are all true.

LIST OF COLLECTING STATIONS

Map 1.

Map 1.
(Plate I.)
1910.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
June 17	1	1	48° 21' N., 9° 58' W.	Surface	Bucket	6.30 p.m.	Plankton
" 18	2	2	46° 21' N., 11° 45' W.	"	Full speed	5.30-6.30 p.m.	"
" 19	3	3	43° 54' N., 12° 48' W.	"	"	3-3.30 p.m.	"
" 20	4	4	41° 20' N., 13° 45' W.	"	"	6.30-6.45 p.m.	"
" 21	5	5	38° 37' N., 14° 42' W.	"	"	12.30-1.45 p.m.	"
" 22	6	6	35° 47' N., 15° 31' W.	"	"	11.45-Noon	"
" 23	7	7	Flora light, Madeira, N. 60° E. 7 miles	"	"	3.15-3.45 p.m.	"
" 25	8	8	Man-o'-War's Anchorage Funchal, Madeira	0-25 metres	Apstein	1 p.m.	"
" 25	9	9	Do.	"	Nansen	"	"
" 26	10	10	32° 23' N., 17° 5' W.	Surface	Full speed	12.45-1 p.m.	"
" 27	11	11	30° 21' N., 18° 14' W.	"	"	12.30-12.45 p.m.	"
" 27	12	12	" "	"	"	3.45-4.15 p.m.	"
" 28	13	13	28° 13' N., 19° 40' W.	"	"	11.40-Noon	"
" 29	14	14	27° 10' N., 20° 21' W.	"	"	12.25-12.45 p.m.	"
" 29	15	15	" "	"	50-mesh	10.40-10.50 a.m.	"
" 30	16	16	26° 17' N., 20° 54' W.	"	"	6.40-7.0 a.m.	"
" 30	17	17	" "	10 metres	"	7.30-7.50 a.m.	"
July 1	18	18	25° 18' N., 21° 32' W.	Surface	Full speed	4.30-4.40 a.m.	"
" 1	19	19	" "	"	"	11.40-Noon	"
" 1	20	—	" "	"	—	—	Flying fish with parasites
" 2	21	20	24° 08' N., 22° 13' W.	"	Full speed	12.15-12.40 p.m.	Plankton
" 2	22	—	" "	"	—	—	Flying fish with parasite (dried up)
" 3	23	21	22° 28' N., 23° 5' W.	"	Full speed	12-12.45 p.m.	Plankton
" 3	24	22	" "	"	"	2-2.10 p.m.	"
" 4	25	23	20° 47' N., 24° 6' W.	"	"	12-1 p.m.	"
" 5	26	24	18° 59' N., 24° 56' W.	"	"	2-2.30 p.m.	"
" 6	27	25	17° 8' N., 25° 41' W.	"	"	2.30-4.30 p.m.	"
" 6	28	26	" "	"	Hand-net	10 a.m.	"
" 7	29	27	15° 38' N., 25° 24' W.	10 metres	Full speed	2-3.30 p.m.	"
" 8	30	28	13° 56' N., 25° 8' W.	2 "	"	1.10-3.15 p.m.	"
" 9	31	29	11° 20' N., 24° 37' W.	2 "	"	2.30-3.30 p.m.	"
" 10	32	30	9° 0' N., 24° 17' W.	Surface	"	1.30-3 p.m.	"
" 11	33	31	7° 0' N., 23° 43' W.	"	"	2-3.30 p.m.	"
" 14	34	32	2° 38' N., 21° 16' W.	1 metre	"	2-3 p.m.	"
" 21	35	33	11° 7' S., 25° 49' W.	Surface	Bucket	Noon	"

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1910.							
July 26-30	36	—	South Trinidad Island	—	—	—	Birds and other land - animals ;
.. 28	37	—	Off S. Trinidad Island, 20° 28' S., 29° 25' W.	—	—	—	shore-collecting Small shark with parasites
1913.							
Apr. 13	38	H.V. 1 or H. 1	52° 23' S., 63° 50' W.	125 fath.(229m.)	Agassiz trawl	—	Bottom fauna
.. 27	39	H. 10	Six miles off mouth of Rio de Janeiro Harbour	2 metres	50-mesh	11 p.m.-1.30 a.m.	Plankton
.. 27	40	.. 11	Do.	..	..	2.30-5 a.m.	..
May 2	41	.. 11 (a)	22° 56' S., 41° 34' W.	Surface	..	8 a.m.	..
.. 2	42	H.V. 2 or H. 2	.. ..	40 fath. (73 m.)	Agassiz trawl	—	Bottom fauna(sand)
.. 3	43	H. 12	22° 6' S., 39° 40' W.	Surface	50-mesh	12.30-1 a.m.	Plankton
.. 4	44	.. 13	21° S., 37° 50' W.	..	..	12.50-1.30 a.m.	..
.. 4	45	.. 14	.. ..	..	7-mesh	.. ..	..
.. 4	46	.. 15	20° 30' S., 36° 30' W.	..	Do.	10.30-11 p.m.	..
.. 4	47	.. 16	.. ..	..	50-mesh	.. ..	..
.. 6	48	.. 17	18° 51' S., 33° 40' W.	..	..	4.30-5 a.m.	..
.. 6	49	.. 18	.. ..	..	7-mesh	.. ..	..
.. 7	50	.. 19	18° S., 31° 45' W.	..	50-mesh 3 nets out	12.35-1.15 a.m.	..
.. 12	51	.. 20	5° S., 27° 15' W.	..	50-mesh	3-3.30 p.m.	..
.. 12	52	.. 21	.. ..	2 metres	..	4-6 p.m.	..
.. 12	53	.. 22	.. ..	2 ..	..	6-7 p.m.	..
.. 12	54	.. 23	4° 45' S., 27° 20' W.	4 ..	24-mesh	9 p.m.-Midnight	..
.. 13	55	.. 24	4° 30' S., 27° 16' W.	2 ..	50-mesh	1-3 a.m.	..
.. 13	56	.. 25	.. ..	2 ..	..	10-11.30 a.m.	..
.. 13	57	.. 26	.. ..	Surface	..	1.15-3 p.m.	..
.. 16	58	.. 27	0°, 25° 15' W.	..	..	1-1.30 a.m.	..
.. 16	59	.. 28	.. ..	..	..	.. ..	..
.. 17	60	.. 29	2° N., 24° 45' W.	..	..	.. ..	..
.. 17	61	.. 30	.. ..	..	..	.. ..	..
.. 18	62	.. 31	4° 50' N., 24° W.	..	..	.. ..	..
.. 19	63	.. 32	6° 10' N., 24° 5' W.	..	50-mesh 2 nets out	2-2.30 a.m.	..
.. 26	64	.. 33	23° 28' N., 34° 45' W.	..	50-mesh	1.30-2 a.m.	..
.. 26	65	.. 34	.. ..	..	..	.. ..	..
.. 27	66	.. 35	25° 35' N., 34° 10' W.	..	..	.. ..	..
.. 27	67	.. 36	.. ..	..	..	.. ..	..
.. 28	68	.. 37	27° 22' N., 33° 40' W.	..	..	.. ..	..
.. 29	69	.. 39	29° 10' N., 33° 36' W.	..	..	.. ..	..
June 3	70	.. 40	Off Horta Harbour, Fayal, Azores	12 metres	24-mesh	6 p.m. - 8 a.m. June 2 June 3	..

Map 1.

Map 2.

Map 2.
(Plate II.)
1911.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
July 16	71	W. C. 5	34° 13' S., 172° 17' E.	4 metres	180-mesh	11 a.m.-1 p.m.	Plankton
.. 17	72	" 6	From Three Kings Islands, New Zealand, W.N.W., 4½ miles	2 "	50-mesh	10-10.30 a.m.	"
.. 17	73	" 7	From Summit, Gt. King, W. by N., 5½ miles	2 "	180-mesh	11-11.15 a.m.	"
.. 17	74	" 8	From Summit, Gt. King, W., 5½ miles	0-120 "	Apstein	Noon	"
.. 17	75	" 9	From Summit, Gt. King, W., 8 miles	Surface	50-mesh	3-3.30 p.m.	"
.. 17	76	" 10	Do.	"	180-mesh	" "	"
.. 18	77	" 11	34° 5' S., 171° 48' E.	"	"	5-7 p.m.	"
.. 21	78	" 12	34° 39' S., 171° 6' E.	"	50-mesh	10.30-11 a.m.	"
.. 21	79	" 13	34° 35' S., 171° 16' E.	"	"	1 p.m.	"
.. 22	80	" 14	From Summit, Gt. King, N. 87° W., 11 miles	0-100 metres	24-mesh	5 p.m.	"
.. 23	81	" 15	From Summit, Gt. King, S. 60° E., 28 miles	0-100 "	Nansen	9 a.m.	"
.. 23	82	" 16	From Summit, Gt. King, S. 40° E., 29 miles	0-100 "	Apstein	1 p.m.	"
.. 23	83	" 17	Do.	2 "	50-mesh	1-4 p.m.	"
.. 23	84	" 18	From C. Maria van Diemen Light, S.W. by W., 15 miles	2 "	"	8-9 p.m.	"
.. 24	85	" 19	From C. Maria van Die- men Light, W.N.W., 24 miles	2 "	"	1-5 a.m.	"
.. 25	86	" 20	Off Three Kings Islands	3 "	"	8 p.m.-5 a.m. 24th 25th	"
.. 25	87	" 21	From Summit, Gt. King, S. ½° W., 10 miles	30 "	"	Noon	"
.. 25	88	" 22	Do.	1 "	"	Noon	"
.. 25	89	" 23	Off Three Kings Islands	Surface	24-mesh	8-10 p.m.	"
.. 25	90	New Zealand Benthos, 1	From Summit, Gt. King, Three Kings Islands, S. 14° W., 8 miles	100 fathoms (183 metres)	Dredge	—	Bottom fauna (rock)
.. 26	91	Do., 2	From Summit, Gt. King, Three Kings Islands, S. 10° W., 25 miles	300 fathoms (549 metres)	Dredge	..	" "
.. 27	92	W. C. 24	From Summit, Gt. King, S. by W., 24 miles	Surface	24-mesh	9 p.m.-4 a.m. 26th 27th	Plankton
.. 28	93	" 25	From Summit, Gt. King, S.E. by S., 13 miles	"	"	9 p.m.-4 a.m. 27th 28th	"
.. 30	94	" 26	Off Mongonui, Doubt- less Bay	18 metres	50-mesh	2-4 p.m.	"
Aug. 2	95	New Zealand Benthos, 3	1 mile S. of North Cape, New Zealand	10-30 fathoms (18-55 metres)	Otter trawl	—	Bottom fauna (sand)
.. 3	96	Do., 4	7 miles E. of North Cape, New Zealand	70 fathoms (128 metres)	Agassiz trawl	..	" " (sand and rock)
.. 3	97	W. C. 27	Anchorage, North Cape	20 metres	50-mesh	9 p.m.-8 a.m. 2nd 3rd	Plankton

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1911.							
Aug. 4	98	W. C. 28	From West Island, Three Kings Islands, S.W., 5 miles	0-45 metres	Apstein	Noon	Plankton
.. 4	99	.. 29	Do.	0-70 "	"	"	"
.. 4	100	.. 30	Do.	Surface	50-mesh	1-2 p.m.	"
.. 4	101	.. 31	Do.	"	"	4-5 p.m.	"
.. 4	102	.. 32	Do.	"	"	3-4 p.m.	"
.. 4	103	.. 33	Do.	"	"	5-6 p.m.	"
.. 4	104	.. 34	Do.	0-25 metres	Apstein	4.30 p.m.	"
.. 4	105	.. 35	Do.	0-80 "	"	"	"
.. 4	106	.. 36	Do.	Surface	50-mesh	7-8 p.m.	"
.. 4	107	.. 37	Do.	"	24-mesh	8 p.m.-5.30 a.m. 4th 5th	"
.. 5	108	.. 38	34° 15' S., 172° 0' E.	"	50-mesh	Noon-4 p.m. at intervals	"
.. 5	109	.. 39	" "	3 metres	24-mesh	8 p.m.-8 a.m. 5th 6th	"
.. 6	110	.. 40	34° 4' S., 171° 55' E.	Surface	"	9 p.m.-4 a.m. 6th 7th	"
.. 7	111	.. 41	Off Three Kings Islands	"	"	10 a.m.-1 p.m.	"
.. 8	112	.. 41 (a)	33° 37' S., 171° 30' E.	3 metres	50-mesh	Noon-4 p.m.	"
.. 9	113	.. 42	33° 12' S., 171° 05' E.	3 "	"	9 a.m.-Noon	"
.. 10	114	.. 43	32° 55' S., 170° 38' E.	Surface	"	10 a.m.-4 p.m.	"
.. 16	115	.. 44	34° 32' S., 172° 20' E.	"	Full speed	3-5 p.m.	"
.. 16	116	.. 45	" "	0-50 metres	Apstein	5.30 p.m.	"
.. 16	117	.. 46	" "	0-150 "	"	5.45 p.m.	"
.. 17	118	.. 47	" "	Surface	50-mesh	9 p.m.-5 a.m. 16th 17th	"
.. 17	119	.. 48	" "	"	Full speed	9 a.m.-5 p.m.	"
.. 18	120	.. 49	34° 26' S., 172° 14' E.	"	50-mesh	9 p.m.-5 a.m. 17th 18th	"
.. 18	121	.. 49 (a)	Off C. Maria v. Diemen	"	Full speed	Unrecorded	"
.. 19	122	.. 50	From C. Maria van Diemen, S. 80° W., 21 miles	"	50-mesh	9 p.m.-5 a.m. 18th 19th	"
.. 19	123	.. 51	Between North Cape and Doubtless Bay	"	Full speed	11 a.m.-4 p.m.	"
.. 23	124	.. 52	Do.	"	"	9 a.m.-1 p.m.	"
.. 23	125	.. 53	Do.	"	Square 18-mesh	2-4 p.m.	"
.. 24	126	.. 54	34° 13' S., 172° 15' E.	"	Do.	9 a.m.-Noon	"
.. 25	127	.. 55	Off Three Kings Islands	"	50-mesh	9 p.m.-5 a.m. 24th 25th	"
.. 26	128	.. 56	Do.	"	100-mesh	9 p.m.-6 a.m. 25th 26th	"
.. 26	129	.. 57	Do.	"	Square 18-mesh	6 p.m.-6 a.m. 25th 26th	"
.. 27	130	.. 58	Do.	"	Do.	8 p.m.-6.30 a.m. 26th 27th	"
.. 27	131	.. 59	Do.	"	Do.	9 a.m.-5 p.m.	"

Map 2.

Map 2.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1911.							
Aug. 29	132	W. C. 60	Spirits Bay, near North Cape	10 metres	50-mesh	9 a.m.—Noon	Plankton
.. 30	133	" 61	" "	20 "	Square 18-mesh	8 p.m.—6 a.m. 30th 31st	"
.. 31	134	New Zealand Benthos, 5	" "	11-20 fathoms (20-37 metres)	Dredge	—	Bottom fauna (shelly)
Sept. 1	135	W. C. 62	" "	3 metres	Square 18-mesh	9 p.m.—6.30 a.m. 31st 1st	Plankton
.. 2	136	" 63	" "	Surface	Do.	9 p.m.—6.30 a.m. 1st 2nd	"
.. 4	137	" 64	34° 2' S., 172° 40' E.	"	50-mesh	9 a.m.—Noon	"
.. 5	138	" 65	Off Three Kings Islands	"	"	2-3.30 p.m.	"
.. 6	139	" 66	34° 30' S., 171° 53' E.	"	Square 18-mesh	9 p.m.—6.30 a.m. 5th 6th	"
.. 6	140	" 67	Do.	"	50-mesh	10 a.m.—4 p.m.	"
.. 7	141	" 68	34° 37' S., 171° 19' E.	"	Square 18-mesh	11 a.m.—9 a.m. 6th 7th	"
.. 8	142	" 69	34° 45' S., 170° 45' E.	2 metres	Do.	9 a.m.—9 a.m. 7th 8th	"
.. 9	143	" 70	34° 58' S., 170° 12' E.	Surface	50-mesh	4 p.m.—9 a.m. 8th 9th	"
.. 13	144	New Zealand Benthos, 6	From Cape Maria van Diemen, W. by S., 7 miles (true bearing)	35-40 fathoms (64-73 metres)	Dredge	..	Bottom fauna (rock)
.. 15	145	W. C. 71	Anchorage, North Cape	24 metres	50-mesh	1.30-3.30 p.m.	Plankton
.. 18	146	" 72	" "	5 "	"	11.30 a.m.—1 p.m.	"
.. 24	147	" 74	Between Doubtless Bay and Bay of Islands	Surface	Full speed	11 a.m.—4 p.m.	"
1912.							
Aug. and Sept.	148	(None)	Bay of Islands, 35° 15' S., 174° 10' E.	0-24 metres	50-mesh	..	"
"	149	—	" "	—	—	—	Parasites from Whales
July-Oct.	150	—	" "	—	—	—	Whale material
Map 3.	Map 3. (Plate III.)						
1910.							
Sept. 8	151	—	39° 56' S., 32° 12' E.	—	—	—	2 Birds
.. 9	152	..	39° 38' S., 34° 52' E.	..	..	..	1 Bird
.. 10	153	—	38° 58' S., 35° 24' E.	—	—	—	1 Bird
.. 11	154	..	39° 50' S., 37° 56' E.	..	..	..	1 Bird
.. 12	155	—	39° 57' S., 40° 34' E.	—	—	—	1 Bird
Oct. 3	156	..	42° 17' S., 111° 18' E.	..	..	..	1 Bird with parasites
.. 4	157	—	42° 5' S., 114° 41' E.	—	—	—	1 Bird
.. 5	158	..	41° 49' S., 118° 01' E.	..	..	..	3 Birds
.. 6	159	—	41° 46' S., 121° 39' E.	—	—	—	Parasites, from an Albatros

Date.	Station-number (to be used in recording results).	Provisional Station-number	Locality.	Depth.	Net.	Time.	Nature of Catch.
1910.							
Oct. 8	160	..	41° 08' S., 128° 43' E.	..	..	..	1 Bird
October	161	..	Melbourne Harbour, Australia	12 metres	Young fish trawl	..	Plankton
Oct. 21	162	..	43° 40' S., 157° E.	—	—	..	2 Birds
.. 22	163	..	44° 25' S., 160° E.	..	..	..	3 Birds
Nov. 30	164	A. 1	47° 34' S., 170° 38' E.	Surface	Full speed	4 p.m.	Plankton
(Unknown)	165	—	Off Campbell Islands, 52° 20' S., 167° 30' E.	—	—	—	Parasites from a Bird
Dec. 5	166	A. 2	56° 41' S., 176° 23' E.	Surface	Full speed	5 p.m.	Plankton
.. 7	167	.. 3	61° 22' S., 179° 56' W.	..	..	4 p.m.	..
.. 8	168	.. 4	63° 20' S., 177° 22' W.	..	..	..	..
.. 8	169	—	.. ..	..	..	..	1 Bird
.. 9	170	A. 5	65° 8' S., 177° 40' W.	Surface	Full speed	4 p.m.	Plankton
.. 10	171	.. 6	66° 38' S., 178° 47' W.	0-150 metres	Apstein	10 a.m.	..
.. 10	172	.. 7	.. ..	0-400 ..	Nansen	..	..
.. 10	173	..	66° 38' S., 179° 04' W.	..	..	..	3 Birds (just after the first ice was seen)
.. 13	174	..	67° 28' S., 177° 58' W.	—	—	—	1 Bird
.. 14	175	A. 8	67° 28' S., 177° 59' W.	0-400 metres	Nansen	Noon	Plankton
.. 15	176	.. 9	67° 23' S., 177° 59' W.	0-250 ..	Apstein	11 a.m.	..
.. 15	177	.. 10	.. ..	0-500 ..	Nansen	..	..
.. 15	178	.. 11	.. ..	0-500 ..	24-mesh	9 p.m.	..
.. 15	179	..	67° 23' S., 177° 58' W.	..	..	..	2 Birds
.. 22	180	A. 12	68° 26' S., 179° 08' W.	100 metres	24-mesh	5 p.m.	Plankton
.. 22	181	..	68° 41' S., 179° 28' W.	—	—	—	8 Birds (in pack-ice)
.. 24	182	A. 13	69° 01' S., 178° 29' W.	2 metres	180-mesh	2 a.m.	Plankton
.. 25	183	.. 14	69° 1' S., 178° 28' W.	Surface	Hand	1 a.m.	..
.. 26	184	—	69° 09' S., 178° 13' W.	..	..	..	Parasites from an Adélie Penguin
.. 30	185	A. 15	72° 17' S., 177° 09' E.	1 metre	24-mesh	Noon	Plankton
.. 31	186	.. 16	72° 51' S., 174° 55' E.	Surface	..	Midnight	..
.. 31	187	.. 17	.. ..	1 metre	180-mesh	..	..
1911.							
Jan. 1	188	.. 18	73° 5' S., 174° 11' E.	Surface	Full speed	11 a.m.	..
.. 29	189	B. 3	78° 16' S., 175° 55' E.	3 metres	..	3 p.m.	..
.. 31	190	.. 4	78° 30' S., 170° 35' W.	Surface	..	2.30 p.m.	..
Feb. 4	191	Antarctic Benthos, 2	Bay of Whales, Great Ice Barrier	194-250 faths. (355-457 m.)	Dredge	..	Bottom fauna (mud and stones)
.. 18	192	(None)	Robertson's Bay	Surface	Bucket	—	Plankton
.. 22	193	B. 5	69° 23' S., 163° 59' E.	1 metre	Full speed	6 p.m.	..
.. 22	194	Antarctic Benthos, 4	Off Oates Land, 69° 43' S., 163° 24' E.	180-200 faths. (329-366 m.)	Agassiz trawl	..	Bottom fauna (un- decomposed ani- mal debris)
Mar. 6	195	B. 6	65° 14' S., 161° 24' E.	2 metres	50-mesh	5 p.m.	Plankton
.. 11	196	.. 7	61° 10' S., 163° 01' E.	1 metre	..	6 p.m.	..
.. 14	197	.. 8	58° 30' S., 161° 35' E.	Surface	Full speed	3 p.m.	..
.. 17	198	.. 9	56° 14' S., 163° 48' E.	..	100-mesh	2 p.m.	..

Map 3.

Map 3.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1911.							
Mar. 17	199	B. 10	56° 14' S., 163° 48' E.	Surface	180-mesh	2 p.m.	Plankton
July 11	200	W. C. 1	42° 06' S., 175° 13' E.	..	Full speed	1 p.m.	..
.. 12	201	.. 2	40° 12' S., 177° 57' E.	..	..	5 p.m.	..
.. 13	202	.. 3	38° 12' S., 178° 56' E.	..	..	3.30 p.m.	..
.. 14	203	.. 4	36° 33' S., 177° 0' E.	..	..	Noon	..
Dec. 15	204	D. 1	43° 52' S., 173° 12' E.	..	..	11 a.m.—Noon	..
.. 15	205	.. 2	" "	..	..	1-4 p.m.	..
.. 16	206	.. 3	45° 25' S., 172° 28' E.	..	..	9 a.m.—1 p.m.	..
.. 17	207	.. 4	47° 44' S., 173° 2' 5" E.	..	..	9 a.m.—4 p.m.	..
.. 18	208	.. 5	49° 40' S., 171° 45' E.	..	..	Noon—4 p.m.	..
.. 19	209	.. 6	51° 48' S., 172° 18' E.	..	..	9 p.m.—9 a.m. 18th 19th	..
.. 20	210	.. 7	53° 35' S., 173° 06' E.	..	..	9 a.m.—Noon	..
.. 21	211	.. 8	55° 16' S., 173° 02' E.	..	..	Noon	..
.. 23	212	.. 9	59° 6' S., 177° 55' E.	..	..	9 a.m.—Noon	..
.. 24	213	.. 10	60° 39' S., 178° 40' W.	..	..	" "	..
.. 24	214	.. 11	" "	..	..	1-4 p.m.	..
.. 25	215	.. 12	62° 10' S., 175° 38' W.	..	..	11 a.m.—2 p.m.	..
.. 27	216	.. 13	64° 56' S., 175° 30' W.	..	..	Noon—1 p.m.	..
.. 29	217	.. 14	66° 46' S., 177° 48' W.	10 metres	50-mesh	10.30 a.m.—Noon	..
Nov. and Dec.	218	—	Cape Adare	—	—	—	8 Birds
1912.							
Jan. 3	219	D. 15	Robertson's Bay	10 metres	50-mesh	5-6.30 p.m.	Plankton
.. 3	220	Antarctic Benthos, 5	Off Cape Adare, mouth of Robertson's Bay	45-50 fathoms (82-92 metres)	Agassiz trawl	..	Bottom fauna (shingle)
.. 9	221	D. 16	North (True) of Dry- galski Glacier Tongue, Terra Nova Bay	10 metres	50-mesh	1-2 p.m.	Plankton
.. 10	222	.. 17	76° 3' S., 165° 55' E.	10 ..	..	"	..
.. 11	223	.. 18	76° 2' S., 165° 55' E.	10 ..	..	9-11 a.m.	..
Mar. 9	224	.. 33	60 miles E. of Cape Adare	1 ..	..	7-9 p.m.	..
.. 11	225	.. 34	69° 45' S., 177° 19' E.	20 ..	..	2-4 p.m.	..
.. 12	226	.. 35	69° 23' S., 177° 52' E.	10 ..	..	9-11 a.m.	..
.. 15	227	.. 36	68° 03' S., 169° 45' E.	Surface	Full speed	1-2 p.m.	..
.. 18	228	.. 37	64° 3' S., 160° 12' E.	"	"	9 p.m.—4 a.m. 17th 18th	..
.. 18	229	.. 38	" "	80 metres	50-mesh	8.30-9 a.m.	..
.. 18	230	.. 39	" "	80 "	"	11 a.m.—12.30 p.m.	..
.. 18	231	.. 40	" "	80 "	24-mesh	1.30-4.30 p.m.	..
.. 24	232	.. 41	55° 51' S., 165° 49' E.	Surface	Full speed	10-11 a.m.	..
.. 26	233	.. 42	52° 41' S., 168° 15' E.	"	"	Noon	..
.. 26	234	.. 43	" "	3 metres	24-mesh	2-5 p.m.	..
.. 26	235	.. 44	" "	10 "	"	7-10 p.m.	..
.. 27	236	.. 45	52° 11' S., 167° 25' E.	80 "	"	6-8 p.m.	..
.. 27	237	.. 46	" "	10 "	"	Midnight-8 a.m. 27th 28th	..

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1912.							
Mar. 27	238	D. 46 (a)	52° 11' S., 167° 25' E.	30 metres	24-mesh	10-10.30 a.m.	Plankton
.. 27	239	—	.. ..	—	—	—	4 Birds
.. 28	240	D. 47	51° 57' S., 167° 38' E.	4 metres	180-mesh	8.30-9 a.m.	Plankton
.. 28	241	.. 47 (a)	.. ..	Surface	24-mesh	9 p.m.-4 a.m. 27th-28th	..
April 2	242	.. 48	Off Akaroa Heads, New Zealand	10 metres	50-mesh	10 a.m.	..
July-Oct.	243	..	Neighbourhood of Admiralty Bay, Nelson, New Zealand	..	..	..	Land and littoral fauna
Dec. 15	244	E. 1	45° 42' S., 174° 43' E.	0-200 ..	Apstein	8 p.m.	Plankton
.. 16	245	.. 2	46° 58' S., 176° 3' E.	0-100 ..	..	10 a.m.	..
.. 16	246	.. 3	.. ..	0-200 ..	..	..	..
.. 18	247	.. 4	51° 22' S., 179° 18' W.	0-200 ..	..	10.30 a.m.	..
.. 18	248	.. 5	.. ..	Surface	Large full speed	7 p.m.	..
.. 18	249	.. 6	.. ..	0-400 metres	Apstein	8 p.m.	..
.. 20	250	.. 7	54° 2' S., 177° 0' W.	Surface	50-mesh	Noon-1 p.m.	..
.. 20	251	.. 8	.. ..	..	..	8-8.30 p.m.	..
.. 21	252	.. 9	54° 33' S., 176° 55' W.	..	..	4-5 p.m.	..
.. 21	253	.. 10	54° 38' S., 176° 24' W.	0-400 metres	Apstein	8 p.m.	..
.. 21	254	.. 11	.. ..	0-200 ..	..	..	..
.. 21	255	.. 12	.. ..	0-100 ..	..	..	..
.. 21	256	.. 13	.. ..	20 ..	50-mesh	10 p.m.	..
.. 22	257	.. 14	55° 34' S., 174° 35' W.	0-200 ..	Apstein	9 p.m.	..
.. 22	258	.. 15	.. ..	0-400 ..	..	..	..
.. 22	259	.. 16	.. ..	20 ..	50-mesh	..	..
.. 25	260	.. 17	62° 20' S., 167° 45' W.	0-360 ..	Apstein	8 p.m.	..
.. 25	261	.. 18	.. ..	0-544 ..	..	..	..
.. 26	262	.. 19	64° 33' S., 166° 30' W.	0-330 ..	..	..	..
.. 26	263	.. 20	.. ..	0-200 ..	..	..	..
.. 26	264	.. 21	.. ..	20 ..	50-mesh	9 p.m.	..
.. 27	265	.. 22	66° 30' S., 166° 8' W.	0-800 ..	Apstein	8 p.m.	..
.. 27	266	.. 23	.. ..	0-600 ..	..	..	..
.. 27	267	.. 24	.. ..	Surface	24-mesh	8-8.30 p.m.	..
.. 28	268	.. 25	68° 37' S., 166° 14' W.	0-400 metres	Apstein	8 p.m.	..
.. 28	269	.. 26	.. ..	Surface	Young fish trawl	6-8 p.m.	..
.. 29	270	.. 27	69° 51' S., 166° 17' W.	0-600 metres	24-mesh	8 p.m.	..
.. 31	271	.. 28	71° 23' S., 166° 3' W.	Surface	..	..	..
1913.							
Jan. 1	272	.. 29	71° 35' S., 166° 01' W.	80 metres	..	4 p.m.	..
.. 2	273	.. 30	.. ..	20 ..	..	10-11.30 p.m.	..
.. 3	274	.. 31	71° 29' S., 166° 0' W.	80 ..	..	9 a.m.-Noon	..
.. 3	275	.. 32	.. ..	160 ..	..	1-5 p.m.	..
.. 5	276	.. 33	71° 41' S., 166° 47' W.	0-1750 ..	..	10.30-11.30 p.m.	..
.. 6	277	.. 34	.. ..	0-200 ..	Apstein	11 a.m.-Noon	..

Map 3.

Map 3.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1913.							
Jan. 6	278	E. 35	71° 41' S., 166° 47' W.	0-400 metres	Apstein	11 a.m.-Noon	Plankton
" 6	279	" 36	" "	0-600 "	"	" "	"
" 6	280	" 37	" "	0-800 "	"	" "	"
" 6	281	" 39	" "	80 "	24-mesh	5.30-8 p.m.	"
" 7	282	" 38	" "	0-1000 "	"	8 p.m.-8 a.m. 6th 7th	"
" 7	283	" 40	71° 39' S., 166° 47' W.	80 "	"	1-3 p.m.	"
" 8	284	" 41	71° 49' S., 167° 32' W.	80 "	"	5.15-7.30 p.m.	"
" 8	285	" 42	" "	0-600 "	"	8-10 p.m.	"
" 9	286	" 43	71° 44' S., 167° 57' W.	10 "	50-mesh	11 a.m.-12.30 p.m.	"
" 9	287	" 44	" "	80 "	24-mesh	9 a.m.-7 p.m.	"
" 11	288	" 45	71° 59' S., 168° 43' W.	60 "	"	8 p.m.-9 a.m. 10th 11th	"
" 12	289	" 46	72° S., 168° 17' W.	24 "	"	8 p.m.-9 a.m. 11th 12th	"
" 12	290	" 47	" "	60 "	"	9 a.m.-3 p.m.	"
" 14	291	" 48	72° 41' S., 172° 37' W.	0-600 "	Apstein	10 a.m.	"
" 14	292	" 49	" "	0-800 "	"	"	"
" 15	293	" 50	73° 41' S., 177° W.	0-370 "	"	"	"
" 15	294	Antarctic Benthos, 12	Ross Sea, 74° 25' S., 179° 3' E.	158 fathoms (289 metres)	Agassiz trawl	-	Bottom fauna
" 27	295	Antarctic Benthos, 15	73° 51' S., 172° 57' E.	190 fathoms (348 metres)	Agassiz trawl	"	"
Feb. 1	296	E. 53	63° 11' S., 158° 52' E.	0-400 metres	Apstein	8.30 p.m.	Plankton
" 1	297	" 54	" "	0-200 "	"	"	"
" 1	298	" 55	" "	12 "	24-mesh	"	"
" 2	299	" 56	61° 18' S., 157° 33' E.	0-200 "	Apstein	10 p.m.	"
" 2	300	" 57	" "	0-140 "	24-mesh	"	"
" 3	301	" 58	58° 21' S., 158° 5' E.	0-200 "	Apstein	8.30 p.m.	"
" 3	302	" 59	" "	20 "	24-mesh	"	"
Mar. 14	303	H. 1 (p)	45° 24' S., 174° 55' E.	Surface	Full speed	11 a.m.-Noon	"
" 16	304	" 2 (p)	48° 33' S., 178° 28' E.	4 metres	24-mesh	2-2.30 p.m.	"
" 21	305	" 3	56° 41' S., 162° 05' W.	Surface	50-mesh	9-9.30 p.m.	"
" 24	306	" 4	55° 55' S., 152° 39' W.	"	Young fish trawl	10 a.m.-1 p.m.	"
April 1	307	" 5	55° 16' S., 120° 3' W.	6 metres	24-mesh	6.15-8.45 p.m.	"
" 9	308	" 6	55° 29' S., 78° 54' W.	4 "	"	9.30-11 a.m.	"
" 19	309	" 7	40° 05' S., 54° 39' W.	4 "	"	10.30 a.m.-12.30 p.m.	"
" 21	310	" 8	36° 57' S., 51° 21' W.	Surface	50-mesh	3.30-3.50 p.m.	"
" 22	311	" 9	35° 29' S., 50° 26' W.	2 metres	Young fish trawl	8-10 a.m.	"

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
Map 4.							
(Plate IV.)							
1911.							
Jan. 19	312	..	77° 38' S., 166° 24' E.	..	..	..	Parasites, from McCormick's Skua
.. 21	313	B. 1	Off Cape Barne, Ross Island	1 metre	24-mesh	11-11.15 a.m.	Plankton
.. 23	314	Antarctic Benthos, 1	5 miles N. of Inac- cessible Island, McMurdo Sound	222-241 faths. (406-441 m.)	Agassiz trawl	—	Bottom fauna (mud)
.. 28	315	B. 2	E. of Cape Bird, Ross Island	5 metres	Full speed	5.30 p.m.	Plankton
Feb. 9	316	Antarctic Benthos, 3	Off Glacier Tongue, about 8 miles N. of Hut Point, McMurdo Sound	190-250 faths. (348-457 m.)	Agassiz trawl	..	Bottom fauna (un- decomposed animal remains and mud)
June 7- Oct. 14	317	—	Hole in ice between Cape Evans and In- accessible Island	175 metres	Townets	—	Plankton
June 13- Sept. 16	318	..	Do.	175 metres	Traps and tangles on bottom	..	Bottom fauna
Aug. 7	319	—	In contraction - crack between Inaccessible Island and Barne Glacier	—	Fish-trap	—	Fishes
.. 14	320	..	Inaccessible Island	150 fathoms (275 metres)	..	..	Free Nematodes
.. 13-17	321	—	In contraction - crack between Inaccessible Island and Barne Glacier	180-250 metres	7-mesh	—	Bottom fauna
Sept. 3, 4	322	..	Do.	20 metres	Fish-trap, dredge	..	.. ..
Oct. 16- Dec. 23	323	—	Hole in ice between Cape Evans and In- accessible Island	168 ..	Townets	—	Plankton
1911, 1912	324	..	Hut Point	..	..	..	Shore collecting
..	325	—	Cape Evans	—	—	—	Miscellaneous collections
.. ..	326	..	Cape Evans and im- mediate neighbour- hood, various cracks and holes through the ice	4-40 metres	Fish-trap	..	Bottom fauna and fishes
.. ..	327	—	Cape Royds	—	—	—	1 Bird
.. ..	328	..	"	..	..	..	Shore collecting
1912.							
Jan. 13	329	D. 19	Near Beaufort Island	10 metres	50-mesh	11-p.m.	Plankton
.. 13	330	.. 20	" "	10 ..	"	3-4 p.m.	"
.. 14	331	Antarctic Benthos, 6	Off Cape Bird Penin- sula, entrance to McMurdo Sound	250 fathoms (457 metres)	Dredge	—	Bottom fauna (mud)

Map 4.

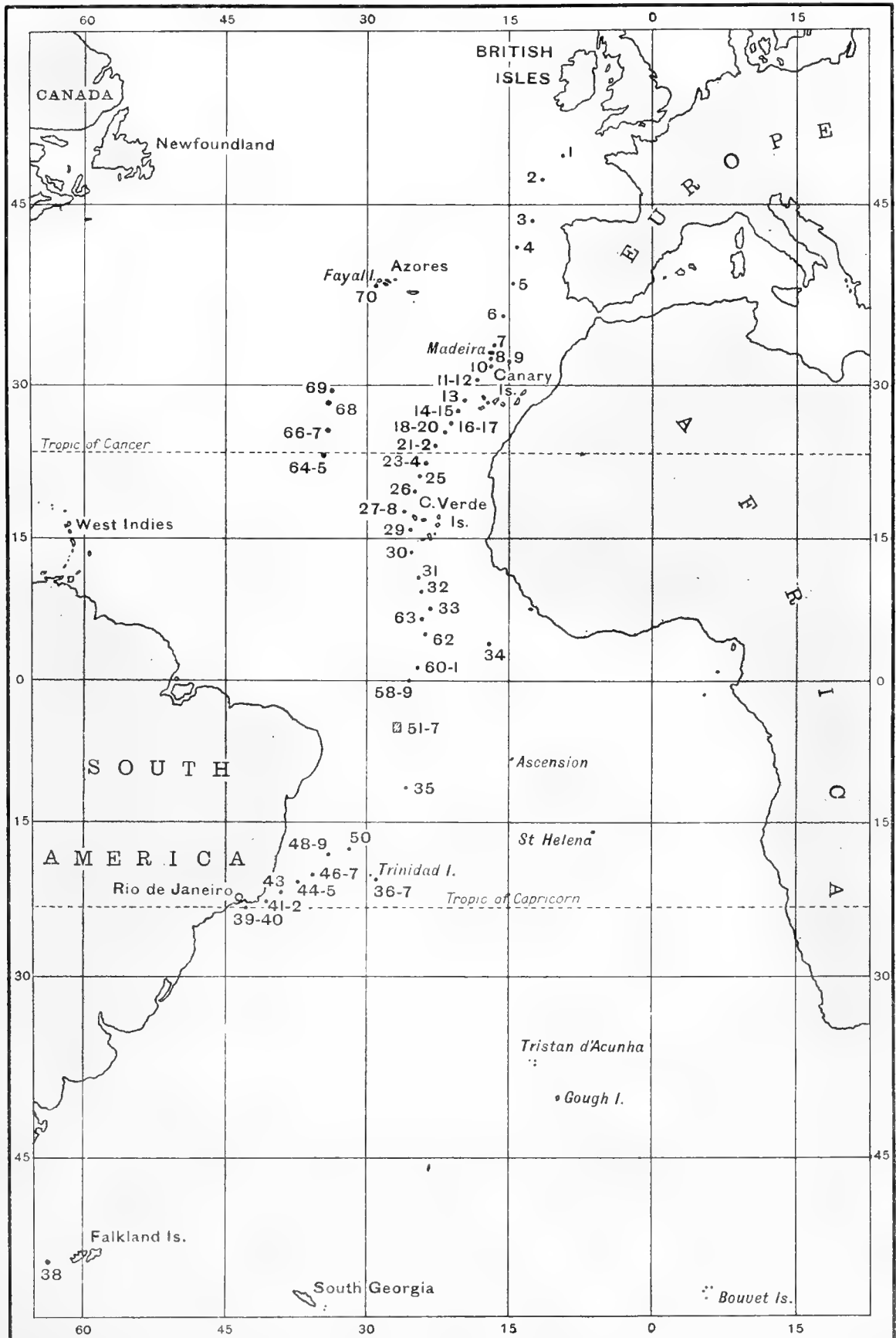
Map 4.

Date.	Station-number (to be used in recording results).	Provisional Station-number.	Locality.	Depth.	Net.	Time.	Nature of Catch.
1912.							
Jan. 16	332	D. 21	77° 15' S., 166° 0' E.	0-550 metres	Agassiz trawl	2 a.m.	Plankton
.. 17	333	.. 22	77° 22' S., 165° 22' E.	80 metres	Square 18-mesh	1-5 a.m.	..
.. 19	334	(None)	Near Granite Harbour	Surface	Hand-net	..	..
.. 20	335	D. 23	.. ..	0-300 metres	Nansen	10 a.m.	..
.. 20	336	.. 24	.. ..	10 metres	50-mesh	2 p.m.	..
.. 22	337	.. 25	Off Cape Bird Penin- sula	80 ..	Square 18-mesh	10.30 a.m.-Noon.	..
.. 23	338	Antarctic Benthos, 7	77° 13' S., 164° 18' E.	207 fathoms (379 metres)	Agassiz trawl	—	Bottom fauna (mud)
.. 24	339	Do., 8	77° 5' S., 164° 17' E.	140 fathoms (256 metres)	Do.	..	.. ..
.. 25	340	Do., 9	76° 56' S., 164° 12' E.	160 fathoms (293 metres)	Do.	—	.. ..
.. 25	341	(None)	Off Cape Bird Penin- sula	80 metres	Square 18-mesh	7 p.m.-Noon 24th 25th	Plankton
.. 31	342	D. 26	Off Cape Royds	0-350 metres	Nansen	4 p.m.	..
Feb. 1	343	.. 27	..	0-600 ..	..	Noon	..
.. 1	344	.. 28	..	0-400 ..	..	3 p.m.	..
.. 2	345	.. 29	McMurdo Sound	0-500 ..	..	8.30-9.30 a.m.	..
.. 3	346	.. 30	..	0-450 ..	..	9 a.m.-5 p.m.	..
.. 4	347	.. 31	Off Cape Barne	0-150 ..	..	.. ..	..
.. 13	348	Antarctic Benthos, 10	Off Barne Glacier, McMurdo Sound	200 fathoms (366 metres)	Agassiz trawl	—	Bottom fauna (mud)
.. 15	349	Do., 11	Off Butter Point, Western Shore of McMurdo Sound	80 fathoms (146 metres)	Do.	..	.. .. (large catch of glassy sponges)
Mar. 4	350	D. 32	Off Glacier Tongue, McMurdo Sound	250 metres	24-mesh	2-4 p.m.	Plankton
Apr. 26- June 7	351	—	Hole in ice between Cape Evans and In- accessible Island.	205 ..	Townets	..	..
Aug. 29- Sept. 26	352	..	Do.	112 ..	..	..	..
Dec. 4-13	353	—	Cape Royds	—	—	—	13 Birds
1913.							
Jan. 20	354	E. 51	77° 46' S., 166° 8' E.	12 metres	24-mesh	11 a.m.-2 p.m.	Plankton
.. 20	355	Antarctic Benthos, 13	.. ..	300 fathoms (547 metres)	Agassiz trawl	..	Bottom fauna
.. 22	356	Do., 14	Off Granite Harbour, entrance to McMurdo Sound	50 fathoms (92 metres)	Do.	—	.. .. (mud)
.. 22	357	E. 52	77° 1' S., 163° 22' E.	12 metres	24-mesh	2-6 p.m.	Plankton

Brit. Antarctic (Terra Nova) Exped. 1910
Zoology, Vol II

Brit. Mus. (Nat Hist)

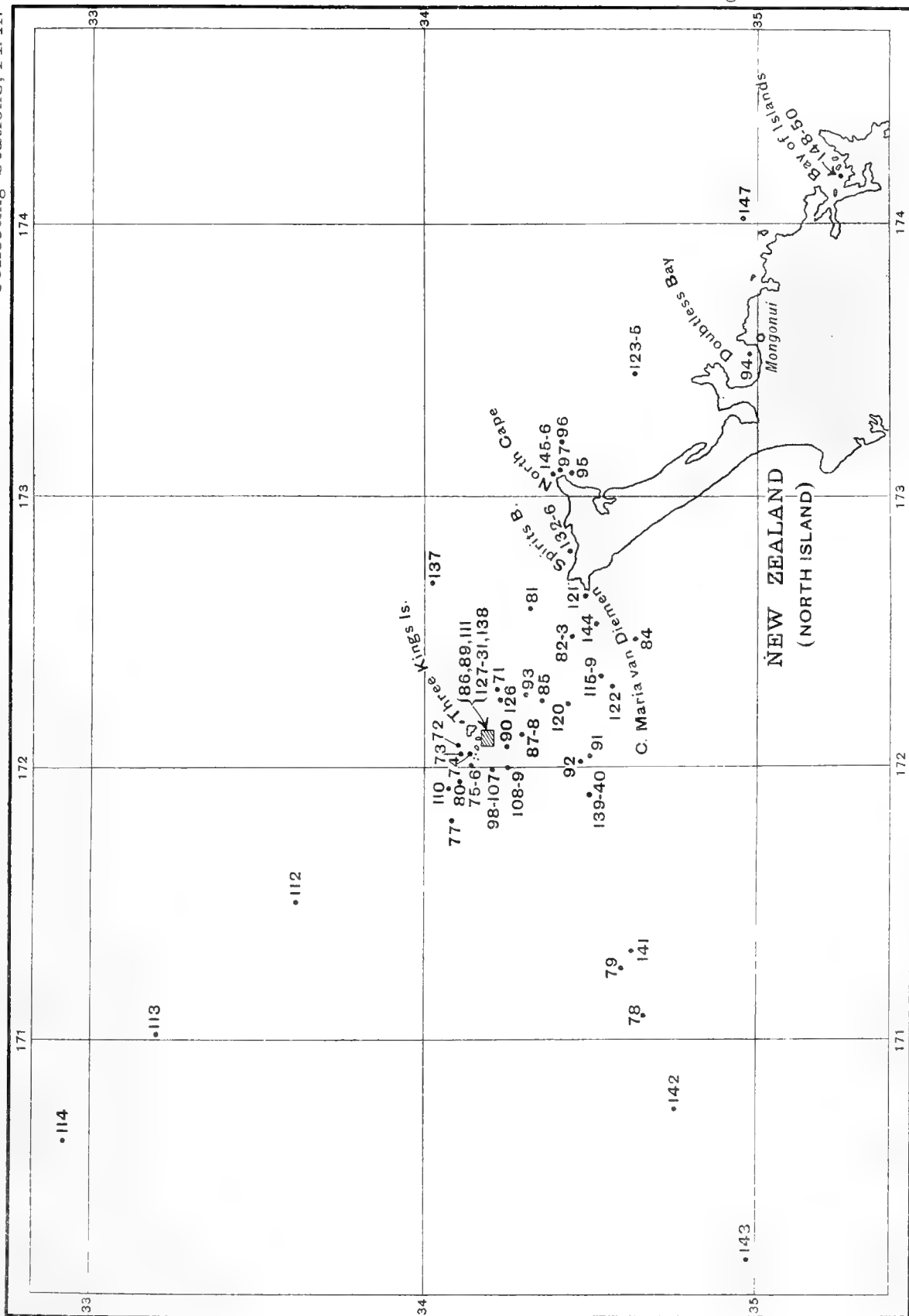
Collecting Stations, Pl. I.



GEORGE PHILIP & SON, LTD.

Map 1.

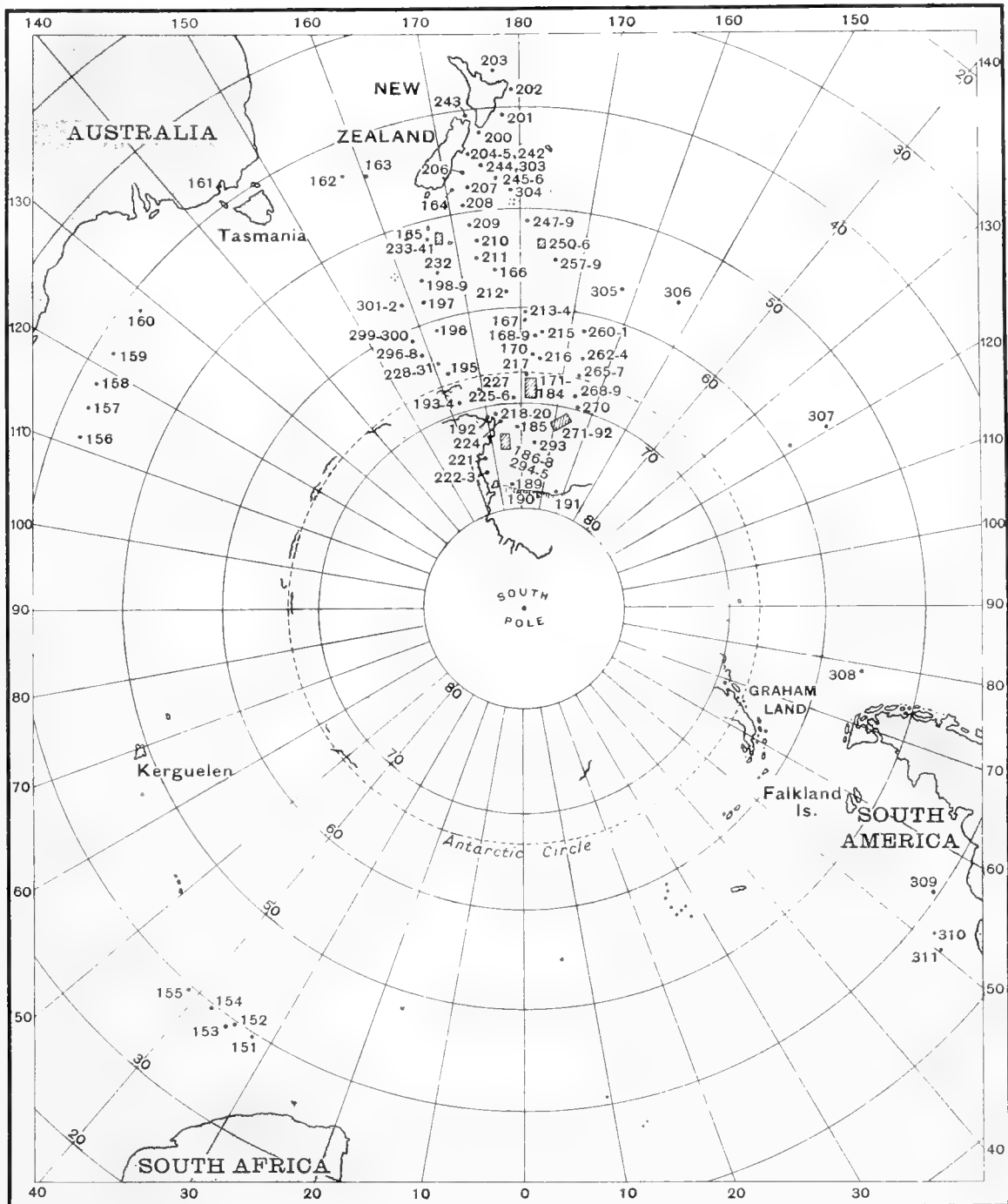
The London Geographical Institute



Brit. Antarctic (Terra Nova) Exped. 1910
Zoology, Vol II

Brit. Mus. (Nat. Hist.)

Collecting Stations, Pl. III.



GEORGE PHILIP & SON, LTD.

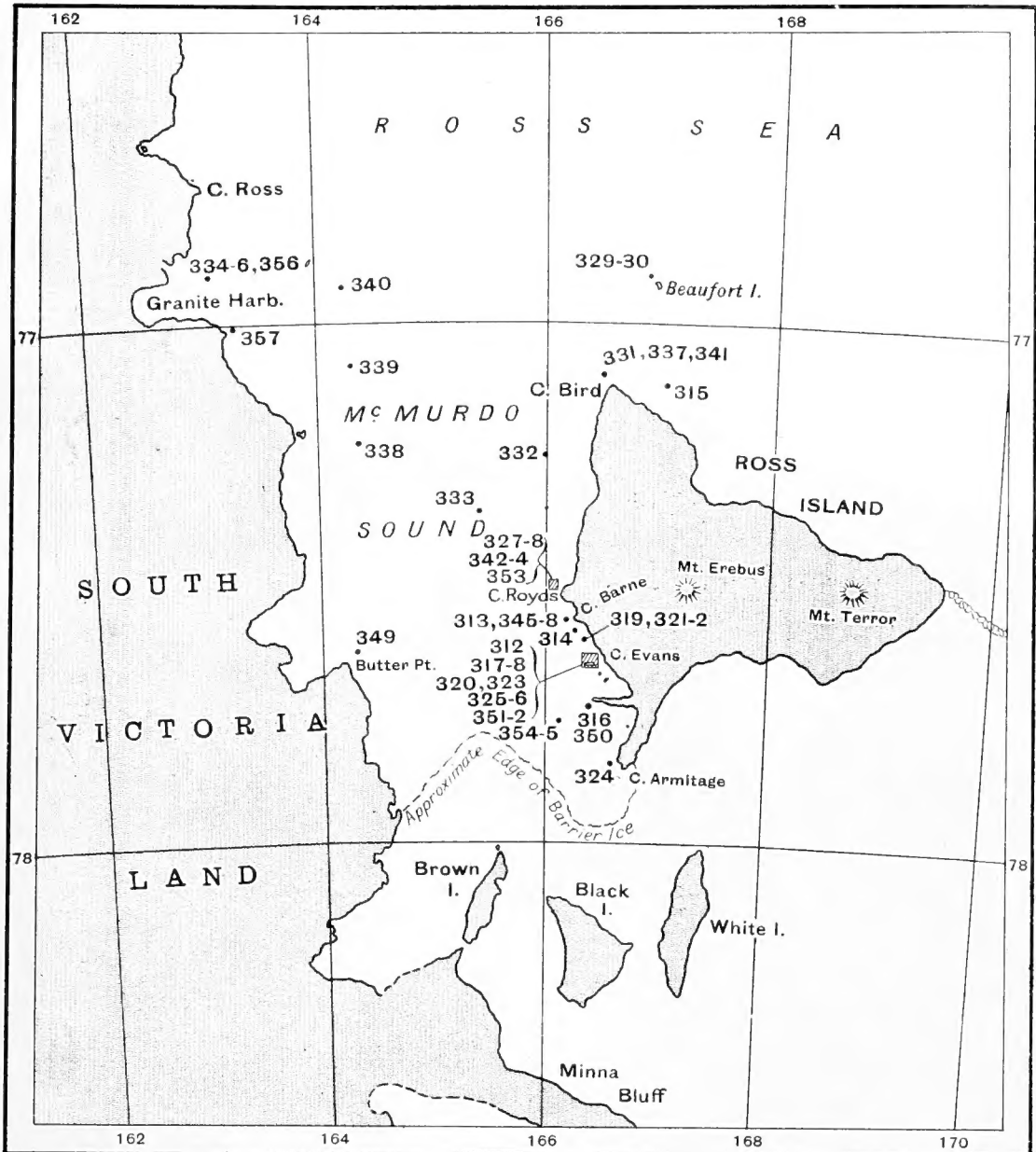
Map 3.

The London Geographical Institute

Brit. Antarctic (Terra Nova) Exped. 1910
Zoology, Vol II.

Brit. Mus (Nat Hist.)

Collecting Stations, Pl. IV.



GEORGE PHILIP & SON, LTD.

Map 4.

The London Geographical Institute

SMITHSONIAN INSTITUTION LIBRARIES



3 9088 00048 7991